



Datalogger 安 裝及使用

宅老大數位
Kevin

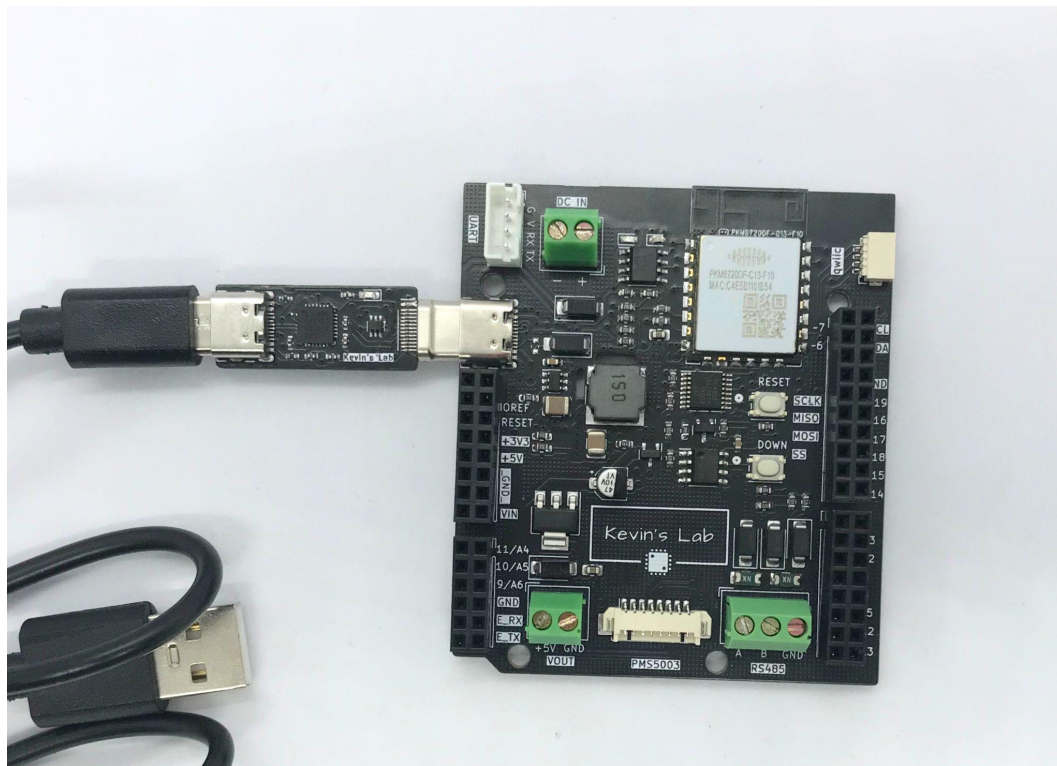


- USB 上傳工具驅動程式
- Arduino IDE 安裝
- 執行 Blink 程式測試

USB 上傳工具



USB 上傳工具



USB 上傳工具

將USB 上傳工具接入 Type-C 及電腦

如果在 裝置管理員 出現 驚嘆號,

表示需要安裝驅動程式



USB 上傳工具

開啟網頁:

<https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads>

USB 上傳工具

Windows 選擇

CP210x Windows Drivers

Mac 選擇

CP210x VCP MAC OSX Driver

Software Downloads

[Software](#) (10)

Software · 10

CP210x Universal Windows Driver	v11.3.0 6/24/2023
CP210x VCP Mac OSX Driver	v6.0.2 10/27/2021
CP210x Windows Drivers	v6.7.6 9/4/2020
CP210x Windows Drivers with Serial Enumerator	v6.7.6 9/4/2020
CP210x_5x_AppNote_Archive	9/4/2020
CP210x_VCP_Win2K	9/4/2020
Linux 2.6.x VCP Revision History	9/4/2020
Linux 3.x.x/4.x.x/5.x.x VCP Driver 	v3.x.x/4.x.x/5.x.x 1/29/2021
VCP Driver for WinCE60	v2.1 9/4/2020
VCP Drivers for WinCE50	v2.1 9/4/2020

USB 上傳工具

下載後，並解壓縮。找到

CP210xVCPInstaller_x64.exe

並執行它

USB 上傳工具

按下一步繼續，
按指示安裝。

CP210x USB to UART Bridge Driver Installer



Welcome to the CP210x USB to UART Bridge Driver Installer

This wizard will help you install the drivers for your CP210x USB to UART Bridge device.

若要繼續，請按 [下一步]。

< 上一步(B)

下一步(N) >

取消

USB 上傳工具

重新拔插 Type-C

下載及安裝 Arduino IDE

下載點

arduino.cc/en/software



Arduino IDE 2.1.0

The new major release of the Arduino IDE is faster and even more powerful! In addition to a more modern editor and a more responsive interface it features autocompletion, code navigation, and even a live debugger.

For more details, please refer to the [Arduino IDE 2.0 documentation](#).

Nightly builds with the latest bugfixes are available through the section below.

DOWNLOAD OPTIONS

Windows Win 10 and newer, 64 bits

Windows MSI installer

Windows ZIP file

Linux AppImage 64 bits (X86-64)

Linux ZIP file 64 bits (X86-64)

macOS Intel, 10.14: "Mojave" or newer, 64 bits

macOS Apple Silicon, 11: "Big Sur" or newer, 64 bits

[Release Notes](#)

Arduino 設定

複製以下連結

https://github.com/ambiot/ambd_arduino/raw/master/Arduino_package/package_realtek_amebad_index.json

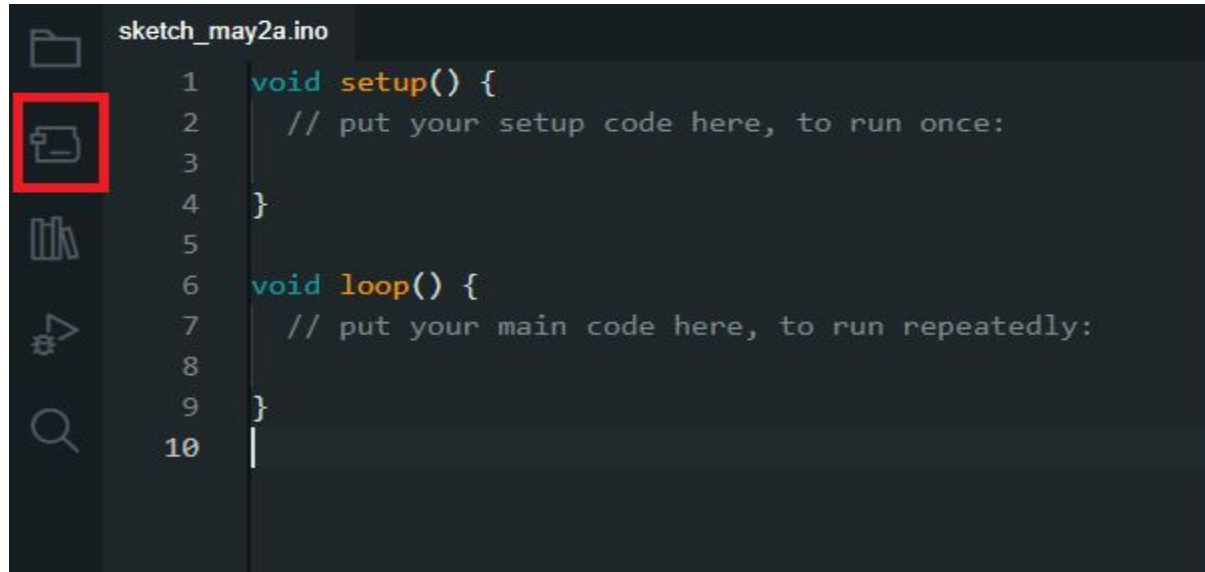
開啟 File / preferences

在 Additional boards manager URLs 的欄位 貼上 上述網址, 點 OK 結束設定

Additional boards manager URLs:

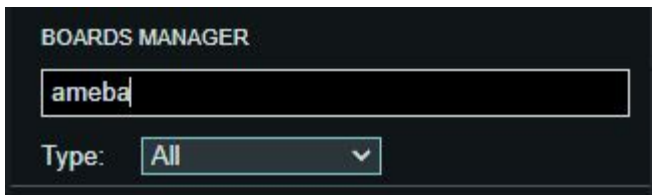
Arduino 設定

點取左側 第二個圖示， Boards Manager

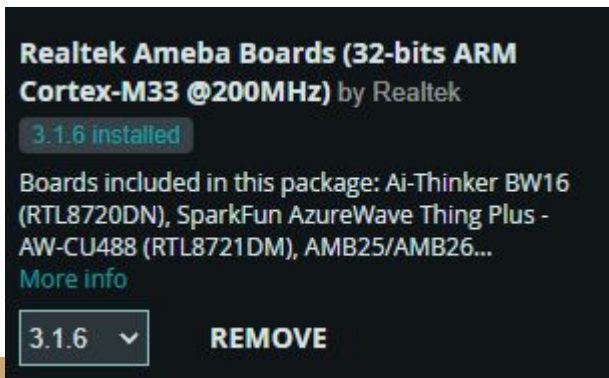


開發環境安裝 - Arduino 設定

輸入 ameba

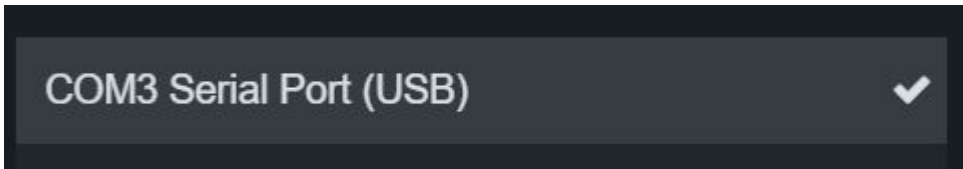
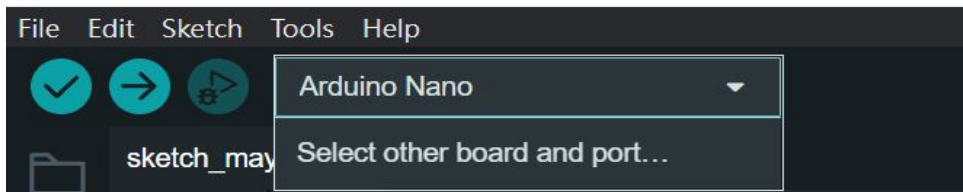


選擇 Realtek Ameba Boards (32-bits ARM Cortex-M33 @200MHz)
[建議安裝 V3.1.6 版本](#), V3.1.7 不建議



開發環境安裝 - Arduino 設定

透過 USB 連接 開發板



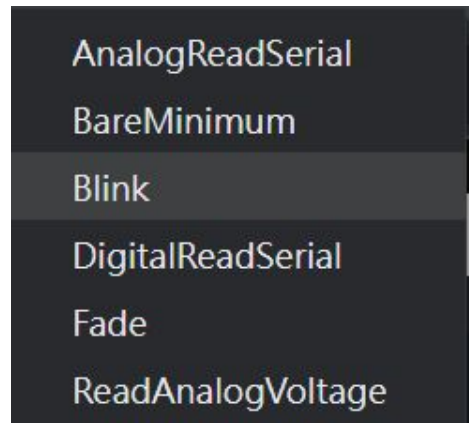
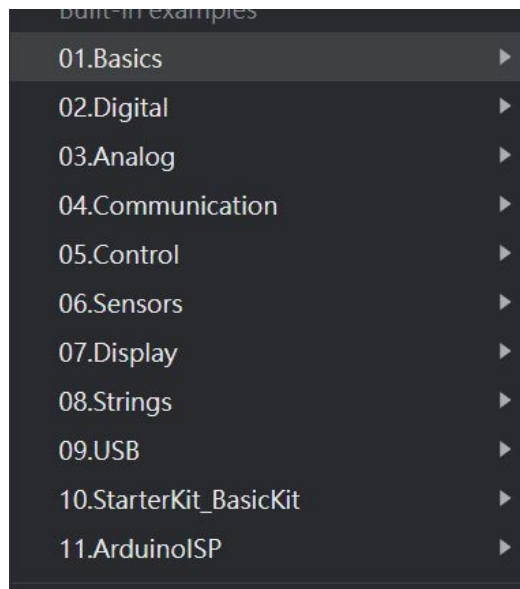
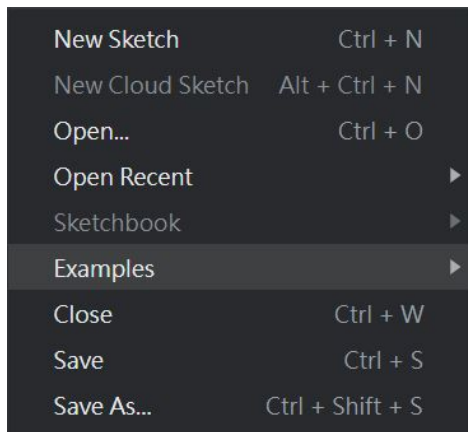
選擇 Select other board and port

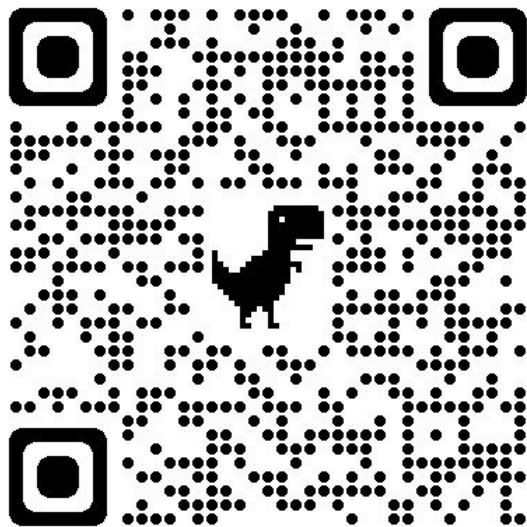
選擇 AMB25/26 (RTL8720DF) 及 Com port

完成後，點擊 OK。

第一個程式

打開 File / Examples / 01.Basics / Blink





www.makdev.net